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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/832,737	04/11/2001	Karl Forster	38394.0100	3464
7590 11/03/2004 SNELL & WILMER L.L.P. One Arizona Center 400 East Van Buren Phoenix, AZ 85004-2202			EXAMINER TO, BAOQUOC N	
			ART UNIT 2162	PAPER NUMBER

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/832,737

Applicant(s)

FORSTER, KARL

Examiner

Baoquoc N To

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2162

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7,9-27 and 29-35 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7,9-27 and 29-35 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

1. Claims 1-7, 9-27 and 29-35 are pending in this application

***Response to Arguments***

2. Applicant's arguments filed 06/28/04 have been fully considered but they are not persuasive.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 13 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korzeniowski (Uncle Sam surfs via Lotus Notes) April 1, 1996 in view of Winn Schwartau (Wipe out Web Graffiti, CNN.com) Feb 21, 2000.

Regarding on claims 1, 13 and 21, Korzeniowski teaches in a computer system, a method for protecting a target file located at a target location, comprising the step of:

Generating an archive having an archive file, wherein the archive file comprises a mater copy of the target file (the archive file needed to be created before the comparison process) (page 1, lines 48-50);

Detecting changes to the target file by periodically comparing the target file to the archive file, wherein the comparison comprises comparing one of the content, size and date/time of the target file to the corresponding archive file (every 4 or 5 minutes, Notes

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will examine a Web page, notice any change, check to determine if it is legitimate) (page 1, lines 49-50); and

Protecting, as necessary, the target file by automatically replacing, without human intervention, the target file such that the target file is identical to the archive file, wherein the replacing occurs when the comparison indicates that the target file is not identical to the archive file (revert to the original format if the change was not authorized" (page 1, lines 50-51). Lotus notes suggests only the method of doing so, however, none of the system have been implemented system. On the other hand, Winn Schwartau discloses in the CNN.com "system such as Tripwire can be configured to check for integrity violation-unauthorized file modification-on periodic basic (for example, hourly or daily) and will check only those files chosen by the administrator." (page 2, CNN.com, lines 45-47). The Tripwire is configured for a web security system. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski method to include Winn Schwartau's system to produce a security product based on the a method which implemented on the system to protect web content from being hacked.

4. Claims 2-7, 9-11, 14-19, 22-27, 29-31 and 33-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korzeniowski (Uncle Sam surfs via Lotus Notes) April 1, 1996 in view of Winn Schwartau (Wipe out Web Graffiti, CNN.com) Feb 21, 2000 and further in view of Saether et al. (US. Patent No. 6,405,219).

Regarding on claims 2, 14 and 22, Korzeniowski and Winn Schwartau do not explicitly teach the generated archive comprises at least one file collection having the

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archive file. However, Saether teaches "the primary and secondary global servers copy the previous versions of modified source files and restores removed source files from the previous version to at least one sub-directory on the local content servers" (col. 10, lines 7-11). This teaches multiples version of the source file. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's system to include the multiples version of the source files as taught by Saether in order to restored the right version as needed.

Regarding on claims 3, 15 and 23, Korzeniowski and Winn Schwartau's system Lotus notes does not teach the file collection comprises a current portion and a revision portion. Saether teaches "the primary and secondary global servers copy the previous versions of modified source files and restores removed source files from the previous version to at least one sub-directory on the local content servers" (col. 10, lines 7-11). This teaches multiples version of the source file. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's system to include the multiples version of the source files in order to restored the right version as needed.

Regarding on claims 4, 16 and 24, Korzeniowski and Winn Schwartau do not explicitly teach the revision portion comprises at least one sub-division, wherein each sub-division represents a different revision of the archive file. However, Seather teaches "the primary global server also generates a server change container for each for each secondary global server based on its path and difference between the updated version of the set of source files stored in a versioned file tree repository global server

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and the current version of the set of sources files stored in another versioned file tree repository on each secondary global server. At a determined interval, the version delivery lists and the version change containers are distributed from the primary global server to each secondary server" (col. 4, lines 61-67 and col. 5, lines 1-4). This teaches the tree represent the multiples versions of data files. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's system to include the hierarchical trees structure files as taught Saether in order to keep track and easily restore files as needed.

Regarding on claims 5 and 25, Korzeniowski and Winn Schwartau teaches the method recited in claim 4 and further comprising the step of republishing the target file at the target location (page 1, lines 44-45) excepting for a selected revision. However, Saether teaches "the primary global server also generates a server change container for each for each secondary global server based on its path and difference between the updated version of the set of source files stored in a versioned file tree repository global server and the current version of the set of sources files stored in another versioned file tree repository on each secondary global server. At a determined interval, the version delivery lists and the version change containers are distributed from the primary global server to each secondary server" (col. 4, lines 61-67 and col. 5, lines 1-4). This suggests the updated version is the revision versions. Therefore, it would have been obvious to one ordinary skill in the art at the time was made to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's

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system to include multiples updates version as taught Saether to restore the file to the exactly point before the unauthorized changes.

Regarding on claims 6, 17 and 26, Korzeniowski and Winn Schwartau's do not explicitly teaches the generated archive further comprises a folder. However, Saether teaches "the primary global server generated a version delivery list for each Secondary global server that indicates a particular update version for each local content server. The version delivery list also includes the file directory structure and the hardware constraints of each local content server" (col. 4, lines 57-61). The directory structure is the folder. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's system to include file directory structure as taught Saether to perform the same function as the folder in order to organize the data in the easy manner to stored and retrieved.

Regarding on claims 7 and 27, Korzeniowski and Winn Schwartau teaches the target file has a first set of associated file statistic and the archive file has a second set of associated file statistic, and wherein the step of periodically comparing comprises comparing the first set of associated file statistic to the second set of associated file statistic (page 1, lines 42-45).

Regarding on claims 9, 18 and 29, Korzeniowski teaches the method recited in claim 1 wherein the archive file comprises a web site file (page 1, lines 42-45).

Regarding on claims 10-11, 19 and 30-31, Korzeniowski teaches the method recited in claim 1, excepting for updating the archive file of the archive; and updating an update queue, wherein the update queue store update information relating to the target

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file according to the update of the archive file. However, Saether teaches "the primary global server also generates a server change container for each for each secondary global server based on its path and difference between the updated version of the set of source files stored in a versioned file tree repository global server and the current version of the set of sources files stored in another versioned file tree repository on each secondary global server. At a determined interval, the version delivery lists and the version change containers are distributed from the primary global server to each secondary server" (col. 4, lines 61-67 and col. 5, lines 1-4). This suggests the updated versions are delivery to the target location. Therefore, it would have been obvious to one ordinary skill in the art at the time was made to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's system to include multiples updates version as taught by Saether to update the files to reflex the changes to accompany the user demand.

Regarding on claims 33-34, Korzeniowski teaches the comparison comprises comparing a hash of the contents of the target file to a hash of the contents of the corresponding archive file (page 1, lines 41-45).

5. Claims 12, 20 and 32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Korzeniowski (Uncle Sam surfs via Lotus Notes) April 1, 1996 in view of Winn Schwartau (Wipe out Web Graffiti, CNN.com) Feb 21, 2000 and further in view of NTIS Data Grabber Web Site Security (on CD-ROM).



Regarding on claims 12, 20 and 32, Korzeniowski and Winn Schwartau teach the method recited in claim 1 excepting for moving files from the target location to a quarantine area if the step of comparing indicate that the target file differs from the archive file; and copying the archive file form the archive to target at the target location to synchronize with the target location with the archive. However, NTIS discloses the software to restore the hacked site to its original condition, and also retains the hacked version copies. Therefore, it would have been obvious to one ordinary skill in the art at the time of the invention was made to modify Korzeniowski and Winn Schwartau's to include the copies of the hacked web page as taught by NTIS in order to improve the web page security in the future.

### ***Conclusion***

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

***Contact Information***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Baoquoc N. To whose telephone number is at 571-272-4041 or via e-mail BaoquocN.To@uspto.gov. The examiner can normally be reached on Monday-Friday: 8:00 AM – 4:30 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached at 571-272-4107.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231.

The fax numbers for the organization where this application or proceeding is assigned are as follow:

(703) 872-9306 [Official Communication]

Hand-delivered responses should be brought to:

Crystal Park II  
2121 Crystal Drive  
Arlington, VA 22202  
Fourth Floor (Receptionist).


Baoquoc N. To

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Oct 26, 2004



JEAN M. CORRIELUS  
PRIMARY EXAMINER